

INTERNATIONAL SEARCH REPORT

International Application No

PCT 03/14841

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D221/28 C07D489/00 A61K31/485

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	IIJIMA I ET AL: JOURNAL OF MEDICINAL CHEMISTRY, vol. 21, no. 12, 1978, pages 1320-1322, XP002273127 Scheme I	1-3,7, 9-11,14
A	WHITE, JAMES D. ET AL: "Biomimetic total synthesis of (-)-codeine" TETRAHEDRON, 39(14), 2393-7 CODEN: TETRAB; ISSN: 0040-4020, 1983, XP002273128 See compounds 9-12	1
A	US 4 912 114 A (REVESZ LASZLO) 27 March 1990 (1990-03-27) column 1, line 10 - column 1, line 62 column 20, line 4 - column 20, line 21 ----- -/--	1-31



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

11 March 2004

Date of mailing of the international search report

26/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 661 283 A (TORAY INDUSTRIES) 5 July 1995 (1995-07-05) page 3, line 6 - page 4, line 37 -----</p>	1-31

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4912114	A	27-03-1990	NONE	
EP 0661283	A	05-07-1995	CA 2144770 A1	02-02-1995
			DE 69414085 D1	26-11-1998
			DE 69414085 T2	18-03-1999
			EP 0661283 A1	05-07-1995
			WO 9503307 A1	02-02-1995
			TW 401400 B	11-08-2000
			US 6147084 A	14-11-2000
			US 5972953 A	26-10-1999